

Product datasheet for **SC122263**

FGF18 (BC006245) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FGF18 (BC006245) Human Untagged Clone
Tag:	Tag Free
Symbol:	FGF18
Synonyms:	FGF-18; fibroblast growth factor 18; ZFGF5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for BC006245 edited
GTCTGCAGCAGCAGCAGCGCGGAGGAGGAGCAGCAGCAGCGCGGCGCGGCGCGCGCGG
GGCGGCGGAGGCGCCCGTCCCGCCAGCGATGATTACAGCGCCCTCCGCCTGCACTTGCCTGTGT
CCGCCCTCCCTCCCGCCAGCGATGATTACAGCGCCCTCCGCCTGCACTTGCCTGTGT
TTACACTTCTGCTGCTGTGCTTCCAGGTACAGGTGCTGGTTGCCGAGGAGAACGTGGAC
TTCCGCATCCACGTGGAGAACCAGACGCGGGCTCGGGACGATGTGAGCCGTAAGCAGCTG
CGGCTGTACCAGCTCTACAGCCGACCAAGTGGGAAACACATCCAGGTCTGGGCCGAGG
ATCAGTGCCCGCGGAGGATGGGGACAAGTATGCCAGCTCCTAGTGGAGACAGACACC
TTCGGTAGTCAAGTCCGGATCAAGGGCAAGGAGACGGAATTCTACCTGTGCATGAACCGC
AAAGGCAAGCTCGTGGGAAGCCCGATGGCACCAGCAAGGAGTGTGTGTTTCATCGAGAAG
GTTCTGGAGAACAACACACGGCCCTGATGTGCGCTAAGTACTCCGGCTGGTACGTGGGC
TTCACCAAGAAGGGGCGCCGCGGAAGGGCCCAAGACCCGGGAGAACCAGCAGGACGTTG
CATTTTCATGAAGCGCTACCCCAAGGGGACGCGGAGCTTCAGAAGCCCTTCAAGTACACG
ACGGTGACCAAGAGGTCCTCGGATCCGGCCACACACCCTGCCTAGGCCACCCCGCCG
CGGCCCTCAGGTGCGCCGCGCCACACTCACACTCCCAGAAAACATGCATCAGAGGAATAT
TTTTACATGAAAAATAAGGAAGAAGCTCTATTTTTGTACATTGTGTTAAAAAGAAGACAA
AACTGAACAAAACCTTGGGGGAGGGGTGATAAGGATTTTATTGTTGACTTGAAACC
CCCGATGACAAAAGACTACGCAAAGGGACTGTAGTCAACCCACAGGTGCTTGTCTCTCT
CTAGGAACAGACAACCTTAACTCGTCCCAGAGGAGGACTTGAATGAGGAAAACCAACAC
TTTGAGAAAACCAAGTCTTTTTCCCAAAGTTTTGAAAGGAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for BC006245 unedited NNNNAACGTTTCGGCATTGNTATACGACTCACTATAGGGCGGCCGGAATTCGCACGAGG GTCTGCAGCAGCAGCAGCCGGCAGGAGGGAGCAGCAGCAGCGGCCGGCGCGCGCGC GCGCGGAGGCGCCCGTCCCGCCGCGCGGAGCGGACATGTGCAGGCTGGGCTAGGAG CCGCCGCTCCCTCCCGCCAGCGATGTATTACGCGCCCTCCGCTGCACTTGCCGTGTGT TTACACTTCTGCTGCTGTGCTTCCAGGTACAGGTGCTGGTTGCCGAGGAGAACGTGGAC TTCCGCATCCACGTGGAGAACCAGACGCGGGCTCGGGACGATGTGAGCCGTAAGCAGCTG CGGCTGTACCAGCTCTACAGCCGACCAGTGGGAAACACATCCAGGTCCTGGGCCGAGG ATCAGTGCCCGCGCGAGGATGGGGACAAGTATGCCAGCTCCTAGTGGAGACAGACACC TTCGGTAGTCAAGTCCGGATCAAGGGCAAGGAGACGGAATTCTACCTGTGCATGAACCGC AAAGGCAAGCTCGTGGGAAGCCCGATGGCACCAGCAAGGAGTGTGTTCATCGAGAAG GTTCTGGAGAACAACACACGGCCCTGATGTGCGCTAAGTACTCCGGCTGGTACGTGGGC TTCACCAAGAAGGGCGGCCGGAAGGGCCCCAAGACCCGGGAGAACCAGCATGACGTG CATTTCATGAAGCGCTACCCAAGGTGCAGCCGGAGCTTCAGAAGCCCTCAAGTACACG ACGGTGACCAAGAGGTCCCGTCCGATCCGGCCACACACCCTGCCTAGGCCACCCGCCG CGGCCCTCAGGTCGNCTGGCCACACTCACACTCCAGAAACTGCATCAGAGGAATATT TTTACATGAAAAATAGGNAAA
Restriction Sites:	Please inquire
ACCN:	BC006245
Insert Size:	1163 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	BC006245.2 , AAH06245.1
RefSeq Size:	1154 bp
Locus ID:	8817
Cytogenetics:	5q35.1
Protein Families:	ES Cell Differentiation/IPS, Secreted Protein
Protein Pathways:	MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton

Gene Summary:

The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth, and invasion. It has been shown in vitro that this protein is able to induce neurite outgrowth in PC12 cells. Studies of the similar proteins in mouse and chick suggested that this protein is a pleiotropic growth factor that stimulates proliferation in a number of tissues, most notably the liver and small intestine. Knockout studies of the similar gene in mice implied the role of this protein in regulating proliferation and differentiation of midline cerebellar structures. [provided by RefSeq, Jul 2008]